

10/593501
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Attorney Docket No.: 3081.167US01

Mark Bischoff et al.

Application No.: Unknown

Filed: *Of Even Date*

For: MATERIAL MACHINING DEVICE AND METHOD

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The listing of a reference herein is not an admission that the reference is prior art or that the reference is material to patentability.

This Information Disclosure Statement is being filed with the application. No certification or fee is required.

Some of the references were cited in a counterpart foreign application. An English language translation of the international search report (for PCT/EP2005/003066) is attached for the Examiner's information. The search report identifies the relevance of the cited references.

IAP16 Rec'd PCT/PTO 20 SEP 2006

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Attorney Docket No. 3081.167US01

Please note that the following foreign language reference has an English language counterpart, which is presumed to have corresponding subject matter as the foreign language reference and is listed on the attached Form PTO-1449:

U.S. Patent No. 6,191,880 B1 is an English language counterpart to EP 0 764 858 A2.

Please also note that one of the foreign language references (WO 01/11408 A1) does not have an English language counterpart but has an English language abstract. The concise relevance of this reference is provided by said abstract.

This application was filed after June 30, 2003; therefore, copies of cited U.S. patents and U.S. published applications are not included.

Respectfully submitted,



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Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.

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<p style="text-align: center;">Substitute for form 1449/PTO</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center; font-size: small;">(Use as many sheets as necessary)</p>				<i>Complete if Known</i>			
				Application Number		Unknown 10/1593501	
				Filing Date		<i>Or Even Date</i>	
				First Named Inventor		Mark Bischoff	
				Art Unit		Unknown	
				Examiner Name		Unknown	
Sheet	1	of	2	Attorney Docket Number	3081.167US01		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL [*]	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document			
		Number-Kind Code ² (<i>if known</i>)					
		US-4,826,299	05/02/1989	Powell			
		US-5,219,343	06/15/1993	L'Esperance, Jr.			
		US-5,470,329	11/28/1995	Sumiya			
		US-5,984,916	11/16/1999	Lai			
		US-6,110,166	08/29/2000	Juhasz			
		US-6,191,880 B1	02/20/2001	Schuster			
		US-6,268,586 B1	07/31/2001	Stuart et al.			
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL [*]	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶		
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)					
		WO 01/11408 A1	02/15/2001	Quabis			
		WO 03/028940 A1	04/10/2003	Ngoi Kok Ann			
		WO 93/25166	12/23/1993	King			
		EP 0 764 858 A2	03/26/1997	Schuster			
		EP 0 257 836 A1	03/02/1988	L'Esperance			
		EP 1 279 386 A1	01/29/2003	Bille			
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<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							
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<small>This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</small>							

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known 107593501	
				Application Number	Unknown
				Filing Date	Of Even Date
				First Named Inventor	Mark Bischoff
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	3081.167US01
NON PATENT LITERATURE DOCUMENTS					
EXAMINER INITIAL [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
		Homepage "optics.org", http://optics.org/articles/news/9/11/20/1 .			
		QUABIS, S., "Focusing light to a tighter spot," <u>Optics Communications</u> , Vol. 179, pp. 1-7 (2000).			
		HELSETH, L.E., "Roles of polarization, phase and amplitude in solid immersion lens systems," <u>Optics Communications</u> , Vol. 191, pp. 161-172 (2001).			
		DORN, R., "The focus of light – linear polarization breaks the rotational symmetry of the focal spot," <u>J. of Modern Optics</u> , Vol. 50, No. 12, pp. 1917-1926 (2003).			
		QUABIS, S., "Reduction of the spot size by using a radially polarized laser beam," <u>Proc SPIE</u> , Vol. 4429, pp. 105-111 (2001).			
		NIZIEV, V.G., "Peculiarities of laser cutting with polarized radiation," <u>SPIE</u> , Vol. 688, pp. 169-178 (1999).			
		ZHAN, Q., "Focus shaping using cylindrical vector beams," <u>Optics Express</u> , Vol. 10, No. 7, pp. 324-331 (2002).			
		NIZIEV, V.G., "Influence of beam polarization on laser cutting efficiency," <u>J. Phys. D.: Appl. Phys.</u> , Vol. 32, pp. 1455-1461 (1999).			
EXAMINER SIGNATURE				DATE CONSIDERED	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p>					
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